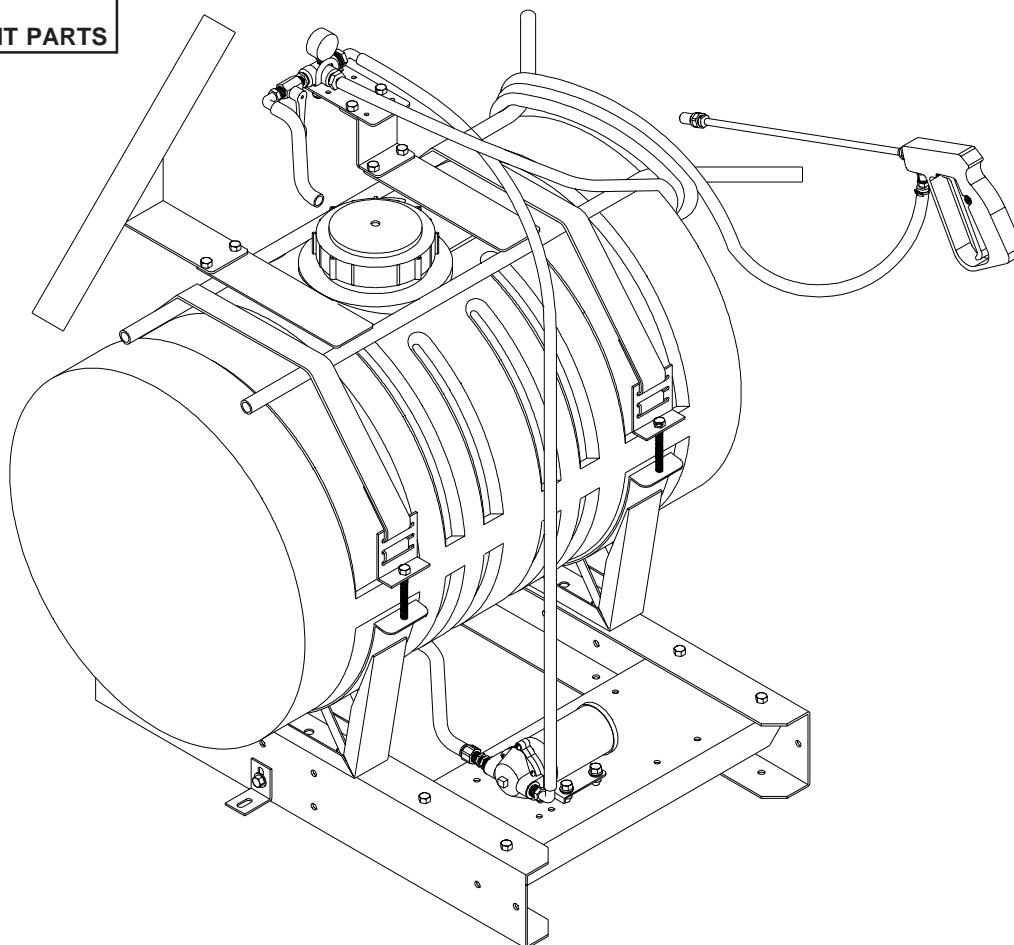




DOING OUR BEST TO PROVIDE YOU THE BEST

55 GALLON SKID MOUNT LAWN AND GARDEN SPRAYER **OPERATORS MANUAL**

ASSEMBLY
CALIBRATION
OPERATION
REPLACEMENT PARTS



**READ complete manual CAREFULLY
BEFORE attempting operation.**

DEMCO • Dethmers Mfg. Co. • 4010 320th St. • P.O. Box 189 • Boyden, IA 51234
PH: (712) 725-2311 • Toll Free: 1-800-543-3626 • FAX: 1-800-845-6420
www.demco-products.com

Thank you for purchasing a Demco sprayer. We feel you have made a wise choice and hope you are completely satisfied with your new piece of equipment. If you have any questions regarding applications of certain solutions or chemicals, contact your chemical supplier and follow chemical manufacturer recommendations as well as all licensing and use restrictions or regulations.



WARNING: TO AVOID PERSONAL INJURY OR PROPERTY DAMAGE, OBSERVE FOLLOWING INSTRUCTIONS:

Chemicals are dangerous. Know exactly what you're going to do and what is going to happen before attempting to work with these products. Improper selection or use can injure people, animals, plants and soil.

Always wear protective clothing such as coveralls, goggles and gloves when working with chemicals or sprayer.

Be sure to dispose of all unused chemicals or solutions in a proper and ecologically sound manner.

GENERAL INFORMATION

1. Unless otherwise specified, high-strength (grade5) (3 radial-line head markings) hex head bolts are used throughout assembly of this sprayer.

2. Whenever terms "**LEFT**" and "**RIGHT**" are used in this manual it means from a position behind the sprayer and facing forward.
3. When placing a parts order, refer to this manual for proper part numbers and place order by **PART NO. and DESCRIPTION.**

Table of Contents

General information	2
Warranty Registration	3-4
Safety, Signal Words	5
Equipment Safety Guidelines	6
Lighting and Marking	6
Safety Sign Locations	7
Safety Sign Care	8
Before Operation	8-9
During Operation	9
Following Operation	10
Highway and Transport Operations	10
Performing Maintenance	11
Bolt Torque	12
Frame Assembly Parts Breakdown and List	13
Gas Engine/Roller Pump Plumbing Parts Breakdown (w/ 12' Boom)	14
Gas Engine/Roller Pump Plumbing Parts List and Operating Instructions (w/ 12' Boom)	15
Gas Engine/Roller Pump Plumbing Parts Breakdown (w/ Truss T Boom)	16
Gas Engine/Roller Pump Plumbing Parts List and Operating Instructions (w/ Truss-T)	17
Diaphragm Pump Plumbing Parts Breakdown	18
Diaphragm Pump Parts List, Operation and Maintenance Instructions	19
Electric Pump Plumbing Parts Breakdown and Parts List	20
12' Boom (DB12) Assembly Parts Breakdown and List	21
Truss T Boom Mounting Assembly Parts Breakdown and List	22
Spray Wand (30L22425 18) Parts Breakdown and List	23
Roller Pump (C4101) Parts Breakdown and List	23
Electric Pump (8000 543 150) Parts Breakdown and List	23
Optional Electric Pump (2088 343 135) Parts Breakdown and List	23
Optional Electric Pump (10983) Parts Breakdown and List	24
Diaphragm Pump (D19GR) Parts Breakdown and List	25
By-Pass Valve (8460) Parts Breakdown and List	26
Direct-o-valve (6B1) Parts Breakdown and List	26
Tee Valve (AA171) Parts Breakdown and List	26
Sprayer Checklist	27



Warranty Registration

Dethmers Manufacturing Company
4010 320th Street • Box 189 • Boyden, Iowa 51234
Toll Free 800-54DEMCO (800-543-3626) • FAX 800-845-6420
www.demco-products.com

Ag ☐
RV ☐
Rental ☐
Brakes ☐
Marine ☐

Very Satisfied Satisfied Dissatisfied Very Dissatisfied

How satisfied are you with our product?	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
How satisfied are you with the dealership/distributor sales staff?	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Dealer/Distributor Name _____ City _____ State _____				
How satisfied are you with the company sales staff?	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
How satisfied are you with the delivery?	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Did you have any contact with a Demco Representative?	YES	NO		
If YES , how satisfied were you?	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
I would recommend this product to my family and friends.	YES	NO		
Would you purchase again from DEMCO?	YES	NO		
Since taking delivery, have you been contacted by the dealer?	YES	NO		
Did you have any problems with this DEMCO product?	YES	NO		
If YES , are you satisfied with the company's resolution of your problem?	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

Why did you purchase this product? _____

Please list the specific source of information prompting this purchase.

After purchasing this product, do you see any needed product improvement? _____ If yes, what improvement? _____

What other products would you like to see DEMCO offer? _____

Comments _____

Owner's Name: _____ Mailing Address: _____

City: _____ State: _____ Zip Code: _____

Model#: _____

Serial #: _____

Purchase Date: _____

Owner's Signature: _____

Please return to DETHMERS MFG. CO. By FAX or tri-folding this form to the backside, it is pre-addressed.

Postage

*Dethmers Manufacturing Company
4010 320th Street, Box 189
Boyden, Iowa 51234*

SAFETY

TAKE NOTE! THIS SAFETY ALERT SYMBOL FOUND THROUGHOUT THIS MANUAL IS USED TO CALL YOUR ATTENTION TO INSTRUCTIONS INVOLVING YOUR PERSONAL SAFETY AND SAFETY OF OTHERS. FAILURE TO FOLLOW THESE INSTRUCTIONS CAN RESULT IN INJURY OR DEATH.



THIS SYMBOL MEANS

ATTENTION

BECOME ALERT

YOUR SAFETY IS INVOLVED!

SIGNAL WORDS

Note use of the following signal words **DANGER**, **WARNING**, and **CAUTION** with safety messages. Appropriate signal word for each has been selected using the following guidelines:

DANGER:

Indicates an imminently hazardous situation that, if not avoided, will result in death or serious injury. This signal word is to be limited to the most extreme situations typically for machine components which, for functional purposes, cannot be guarded.

WARNING:

Indicates a potentially hazardous situation that, if not avoided, could result in death or serious injury, and includes hazards that are exposed when guards are removed. It may also be used to alert against unsafe practices.

CAUTION:

Indicates a potentially hazardous situation that, if not avoided, may result in minor or moderate injury. It may also be used to alert against unsafe practices.

If you have questions not answered in this manual, require additional copies, or if your manual is damaged, please contact your dealer or Dethmers Mfg. Co., P.O. Box 189, 4010 320th Street, Boyden, IA 51234
ph: (712) 725-2311 or (712) 725-2302 Toll Free: 1-800-543-3626 Fax: (712) 725-2380

<http://www.demco-products.com>



SAFETY...YOU CAN LIVE WITH IT



EQUIPMENT SAFETY GUIDELINES

Every year many accidents occur which could have been avoided by a few seconds of thought and a more careful approach to handling equipment. You, the operator, can avoid many accidents by observing the following precautions in this section. To avoid personal injury, study the following precautions and insist those working with you, or you yourself, follow them.

In order to provide a better view, certain illustrations in this manual may show an assembly with a safety shield removed. However, equipment should never be operated in this condition. Keep all shields in place. If shield removal becomes necessary for repairs, replace shield prior to use.

Replace any caution, warning, danger or instruction safety decal that is not readable or is missing. Location of such decals is indicated in this booklet.

Do not attempt to operate this sprayer under the influence of alcohol or drugs.

Review safety instructions with all users.

Operator should be a responsible adult. **DO NOT ALLOW PERSONS TO OPERATE OR ASSEMBLE THIS UNIT UNTIL THEY HAVE DEVELOPED A THOROUGH UNDERSTANDING OF SAFETY PRECAUTIONS AND HOW IT WORKS.**

To prevent injury or death, use a tractor equipped with a roll over protective system (ROPS). Do not paint over, remove, or deface any safety signs or warning decals on your sprayer. Observe all safety signs and practice instructions on them.

Never exceed limits of a piece of machinery. If its ability to do a job, or to do so safely is in question-**DON'T TRY IT.**



LIGHTING AND MARKING

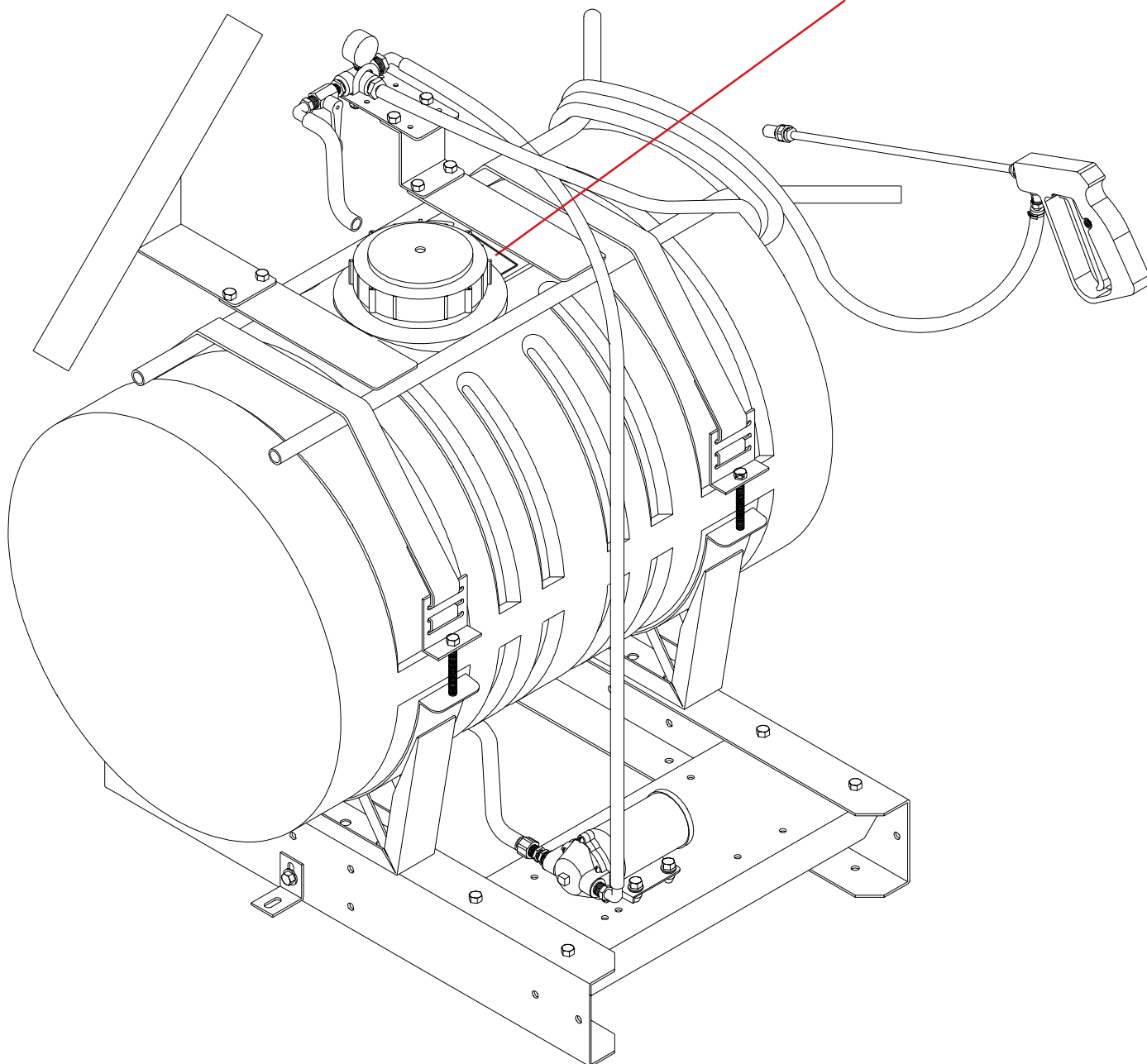
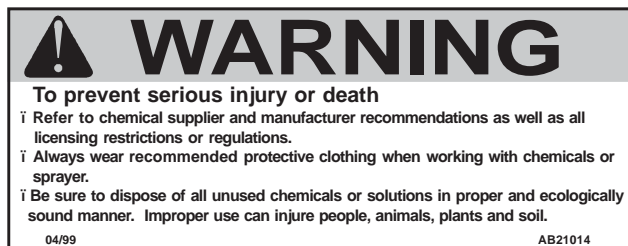
It is the responsibility of customer to know lighting and marking requirements of local highway authorities and to install and maintain sprayer to provide compliance with regulations. Add extra lights when transporting at night or during periods of limited visibility.



SAFETY SIGN LOCATIONS

Types of safety sign and locations on equipment are shown in the illustration below. Good safety requires that you familiarize yourself with various safety signs, type of warning, and area or particular function related to that area, that requires your SAFETY AWARENESS.

This decal is located near the sprayer lid. Replacement part # is AB21014.





SAFETY SIGN CARE

- Keep safety signs clean and legible at all times.
- Replace safety signs that are missing or have become illegible.
- Replacement parts that displayed a safety sign should also display current sign.
- Safety signs are available from your distributor, dealer parts department, or factory.

How to install safety signs:

- Be sure that installation area is clean and dry.
- Decide on exact position before you remove backing paper.
- Remove smallest portion of split backing paper.
- Align decal over specified area and carefully press small portion with exposed sticky backing in place.
- Slowly peel back remaining paper and carefully smooth decal into place.
- Air pockets can be pierced with a pin and smoothed out using piece of backing paper.



BEFORE OPERATION:

- Carefully study and understand this manual.
- Do not wear loose-fitting clothing which may catch in moving parts.
- Always wear protective clothing and substantial shoes.
- It is recommended that suitable protective hearing and eye protection be worn.
- The operator may come in contact with certain materials which may require specific safety equipment relative to handling of such materials. (Examples: extremely dusty, molds, fungus, bulk fertilizers, etc.)
- Give sprayer a visual inspection for any loose bolts, worn parts, or cracked welds, and make necessary repairs. Follow maintenance safety instructions included in this manual.
- Be sure there are no tools lying on or in equipment
- Do not use sprayer until you are sure that area is clear, especially around children and animals.
- Don't hurry learning process or take sprayer for granted. Ease into it and become familiar with your new equipment.
- Practice operation of your equipment and its attachments. Completely familiarize yourself and other operators with its operation before using.
- Use a tractor equipped with Roll Over Protection System (ROPS) and fasten your seat belt prior to starting engine.
- Manufacturer does not recommend usage of a tractor with ROPS removed.

- Move tractor wheels to widest recommended settings to increase stability.
- Do not allow anyone to stand between tongue or hitch and towing vehicle when backing up to sprayer.



DURING OPERATION

- Beware of bystanders, **PARTICULARLY CHILDREN!** Always look around to make sure that it is safe to start engine of towing vehicle or move sprayer. This is particularly important with higher noise levels and quiet cabs, as you may not hear people shouting.
- **NO PASSENGERS ALLOWED-** Do not carry passengers anywhere on or in the tractor or sprayer.
- Keep hands and clothing clear of moving parts.
- Do not clean, lubricate, or adjust your sprayer while it is moving.
- When halting operation, even periodically, set tractor or towing vehicles brakes, disengage PTO, shut off engine, and **remove ignition key**.
- Be especially observant of operating area and terrain- watch for holes, rocks, or other hidden hazards. Always inspect area prior to operation.
 - DO NOT operate near edge of drop-offs or banks.
 - DO NOT operate on steep slopes as overturn may result.
 - Operate up and down (not across) intermediate slopes. Avoid sudden starts and stops.
- Pick the most level possible route when transporting across fields. Avoid edges of ditches, gullies, and steep hillsides.
- Be extra careful when working on inclines.
- Periodically clear sprayer of brush, twigs, or other materials to prevent buildup of dry combustible materials.
- Maneuver tractor or towing vehicle at safe speeds.
- Avoid overhead wires. Contact with overhead lines could cause serious injury or death.
- Avoid loose gravel, rocks, and holes; they can be dangerous for sprayer operation or movement.
- Allow for unit length when making turns.
- Do not walk or work under raised components or attachments unless securely supported.
- Keep all bystanders, pets, and livestock clear of work area.
- Never stand alongside of unit with engine running or attempt to start engine and/or operate machine while standing alongside of unit.
- Never leave running equipment attachments unattended.
- As a precaution, always recheck hardware on equipment following every 100 hours of operation. Correct all problems. Follow maintenance safety procedures.



FOLLOWING OPERATION

- Following operation, or when unhitching, stop tractor or towing vehicle, set brakes, disengage PTO and all power drives, shut off engine and **remove ignition key**.
- Store unit in an area away from human activity.
- Do not park equipment where it will be exposed to livestock for long periods of time. Damage and livestock injury could result.
- Do not permit children to play on or around stored unit.
- Make sure all parked machines are on a hard, level surface and engage all safety devices.



HIGHWAY AND TRANSPORT OPERATIONS

- Adopt safe driving practices:
 - Keep brake pedals latched together at all times. **NEVER USE INDEPENDENT BRAKING WITH MACHINE IN TOW, LOSS OF CONTROL AND/OR UPSET OF UNIT CAN RESULT.**
 - Always drive at a safe speed relative to local conditions and ensure that your speed is low enough for an emergency stop. Keep speed to a minimum.
 - Reduce speed prior to turns to avoid risk of overturning.
 - Always keep tractor or towing vehicle in gear to provide engine braking when going downhill. Do not coast.
 - Do not drink and drive!
- Comply with state and local laws governing highway safety and movement of farm machinery.
- Use approved accessory lighting flags and necessary warning devices to protect operators of other vehicles on highway during transport. Various safety lights and devices are available from your dealer.
- Use of flashing amber lights is acceptable in most localities. However, some localities prohibit their use. Local laws should be checked for all highway lighting and marking requirements.
- When driving a tractor and sprayer under 20 mph (40 kph) day or night, use flashing amber warning lights and a slow moving vehicle (SMV) identification emblem.
- Plan your route to avoid heavy traffic.
- Be a safe and courteous driver. Always yield to oncoming traffic in all situations, including narrow bridges, intersections, etc.
- Be observant of bridge loading ratings. Do not cross bridges rated lower than gross weight at which you are operating.
- Watch for obstructions overhead and side to side while transporting.
- Always operate equipment in a position to provide maximum visibility at all times. Make allowances for increased length and weight of sprayer when making turns, stopping, etc.



REMEMBER

Your best assurance against accidents is a careful and responsible operator. If there is any portion of this manual or function you do not understand, contact your local authorized dealer or manufacturer.



PERFORMING MAINTENANCE

- Good Maintenance is your responsibility. Poor maintenance is an invitation to trouble.
- Make sure there is plenty of ventilation. Never operate engine of towing vehicle in a closed building. Exhaust fumes may cause asphyxiation.
- Before working on this machine, stop towing vehicle, set brakes, disengage PTO and all power drives, shut off engine and **remove ignition key**.
- Be certain all moving parts and attachments have come to a complete stop before attempting to perform maintenance.
- Always use a safety support and block wheels. Never use a jack to support machine.
- Always use proper tools or equipment for job at hand.
- Use extreme caution when making adjustments.
- Follow torque chart on page 12 in this manual when tightening bolts and nuts.
- Never use your hands to locate a hydraulic leak on attachments. Use a small piece of cardboard or wood. Hydraulic fluid escaping under pressure can penetrate skin.
- Openings in skin and minor cuts are susceptible to infection from hydraulic fluid.
Without immediate medical treatment, serious infection and reactions can occur.
- When disconnecting hydraulic lines, shut off hydraulic supply and relieve all hydraulic pressure.
- Replace **all shields** and **guards** after servicing and before moving.
- After servicing, be sure all tools, parts and service equipment are removed.
- Do not allow grease or oil to build up on any step or platform.
- When replacing bolts refer to owners manual.
- Refer to bolt torque chart on page 10 for head identification marking.
- Where replacement parts are necessary for periodic maintenance and servicing, genuine factory replacement parts must be used to restore your equipment to original specifications. Manufacturer will not claim responsibility for use of unapproved parts or accessories and other damages as a result of their use.
- If equipment has been altered in any way from original design, manufacturer does not accept any liability for injury or warranty.
- A fire extinguisher and first aid kit should be kept readily accessible while performing maintenance on this sprayer.

BOLT TORQUE

TORQUE DATA FOR STANDARD NUTS, BOLTS, AND CAPSCREWS.

Tighten all bolts to torques specified in chart unless otherwise noted. Check tightness of bolts periodically, using bolt chart as guide. Replace hardware with same grade bolt.

NOTE: Unless otherwise specified, high-strength Grade 5 hex bolts are used throughout assembly of equipment.



Torque Specifications

Bolt Torque for Standard bolts *

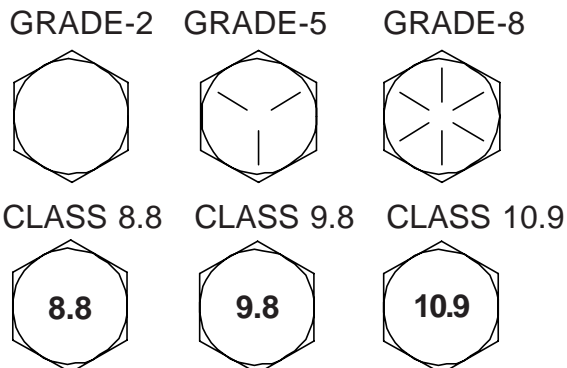
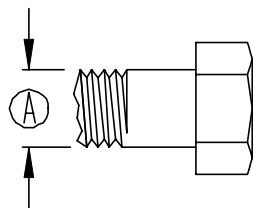
"A"	GRADE 2		GRADE 5		GRADE 8	
	lb-ft	(N.m)	lb-ft	(N.m)	lb-ft	(N.m)
1/4"	6	(8)	9	(12)	12	(16)
5/16"	10	(13)	18	(25)	25	(35)
3/8"	20	(27)	30	(40)	45	(60)
7/16"	30	(40)	50	(70)	80	(110)
1/2"	45	(60)	75	(100)	115	(155)
9/16"	70	(95)	115	(155)	165	(220)
5/8"	95	(130)	150	(200)	225	(300)
3/4"	165	(225)	290	(390)	400	(540)
7/8"	170	(230)	420	(570)	650	(880)
1"	225	(300)	630	(850)	970	(1310)

Bolt Torque for Metric bolts *

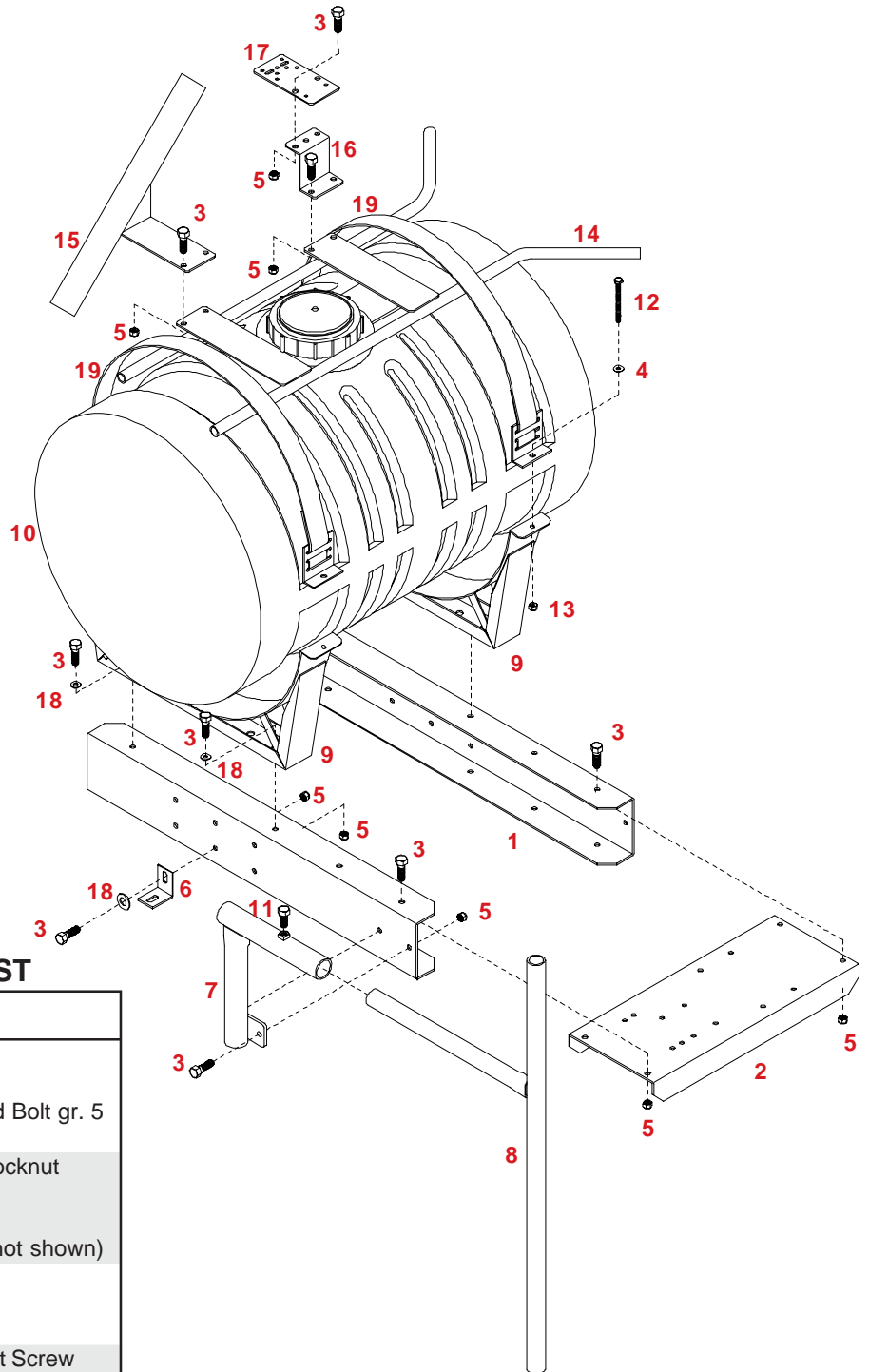
"A"	CLASS 8.8		CLASS 9.8		CLASS 10.9	
	lb-ft	(N.m)	lb-ft	(N.m)	lb-ft	(N.m)
6	9	(13)	10	(14)	13	(17)
7	15	(21)	18	(24)	21	(29)
8	23	(31)	25	(34)	31	(42)
10	45	(61)	50	(68)	61	(83)
12	78	(106)	88	(118)	106	(144)
14	125	(169)	140	(189)	170	(230)
16	194	(263)	216	(293)	263	(357)
18	268	(363)	--	--	364	(493)
20	378	(513)	--	--	515	(689)
22	516	(699)	--	--	702	(952)
24	654	(886)	--	--	890	(1206)

Torque figures indicated are valid for non-greased or non-oiled threads and heads unless otherwise specified. Therefore, do not grease or oil bolts or capscrews unless otherwise specified in this manual. When using locking elements, increase torque values by 5%.

* GRADE or CLASS value for bolts and capscrews are identified by their head markings.



FRAME ASSEMBLY PARTS BREAKDOWN AND PARTS LIST

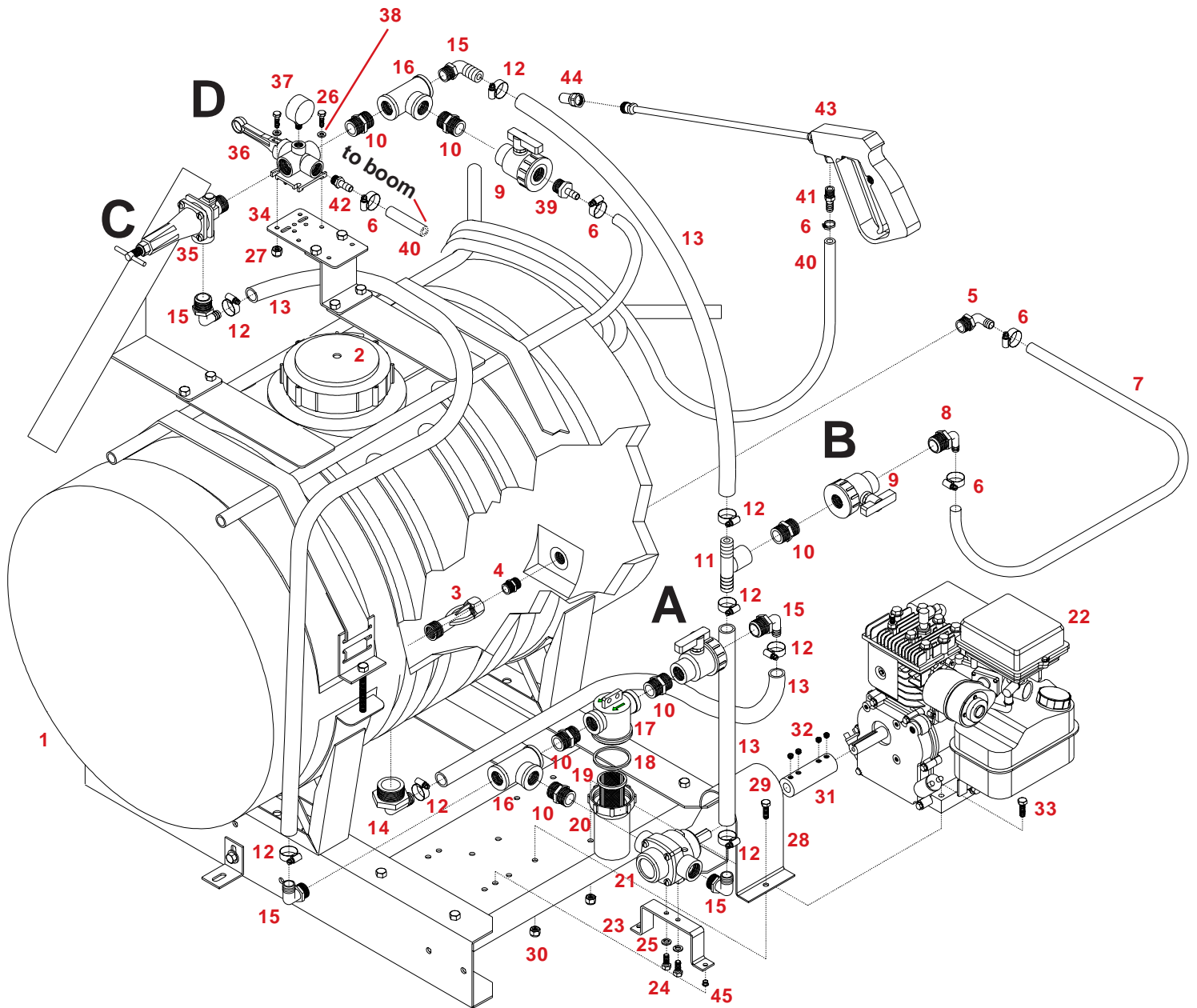


FRAME ASSEMBLY PARTS LIST

REF. NO.	PART NO.	QTY.	DESCRIPTION
1.	04340	2	Frame Side Channel
2.	04341	1	Engine/Pump Mount Plate
3.	00907	20	3/8"-16 UNC x 1" Hex Head Bolt gr. 5
4.	00004	4	5/16" Flatwasher
5.	02592	20	3/8"-16 UNC Nylon Insert Locknut
6.	04339	2	Frame Mounting Bracket
7.	04346	1	Left Hand Boom Mount
-	04348	1	Right Hand Boom Mount (not shown)
8.	04347	2	Boom Mounting Arms
9.	02645	2	23" Saddle
10.	-	1	55 gal. tank
11.	00095	2	3/8" x 3/4" Square Head Set Screw
12.	04352	4	5/16"-18 UNC x 4" Hex Head Bolt
13.	02802	4	5/16"-18 UNC Nylon Insert Locknut
14.	04342	1	Tank Top Mount
15.	04344	1	Hand Wand Mount
16.	04345	1	Valve Mount
17.	05034	1	Valve Mount Plate
18.	00059	6	3/8" Flatwasher
19.	5316	2	Strap Assembly
-	04353	1	Strap
-	05785	2	"L" Bracket

Please order replacement parts by PART NO. and DESCRIPTION.

55 GALLON SPRAYER with GAS ENGINE DRIVEN ROLLER PUMP PLUMBING BREAKDOWN for 12' BOOM



NOTE: USE THREAD SEALANT ON ALL THREADED FITTINGS

GAS ENGINE DRIVEN ROLLER PUMP PLUMBING PARTS LIST

PARTS LIST

REF. NO.	PART NO.	QTY	DESCRIPTION
1.	P55 23A	1	55 gallon Tank (incl. lid, agitation and outlet fittings).
2.	PL5A	1	5 $\frac{1}{2}$ cover for tank
3.	5044 - 1	1	Single Agitation Wand Assembly
4.	M1200	1	1/2" MPT Short Nipple
5.	BEL1212	1	1/2" MPT x 1/2" Hose Barb Elbow
6.	B6H	6	3/8" Hose Clamp
7.	120RB	-	1/2" I.D Rubber Hose
8.	BEL3412	1	3/4" MPT x 1/2" Hose Barb Fitting
9.	UV075FP	3	3/4" Poly Ball Valve
10.	BM3400	6	3/4" Short Nipple
11.	T34F	1	3/4" FPT x 3/4" Hose Barb Tee
12.	B12H	8	3/4" Hose Clamp
13.	340RB	-	3/4" I.D Rubber Hose
14.	EL114 34	1	1-1/4" MPT x 3/4" Hose Barb Elbow
15.	BEL3434	5	3/4" MPT x 3/4" Hose Barb Elbow
16.	BTT34	2	3/4" FPT Tee
-	RVF34 80	-	3/4" Line Strainer w/80 mesh screen
17.	RVF34C	1	3/4" Strainer Cup
18.	RVF34GV	1	Viton O-ring for 3/4" Strainer
19.	RVF380	1	80 Mesh Screen for 3/4" Strainer
20.	RVF34B	1	Strainer Bowl

Please order replacement parts by **PART NO.** and **DESCRIPTION.**

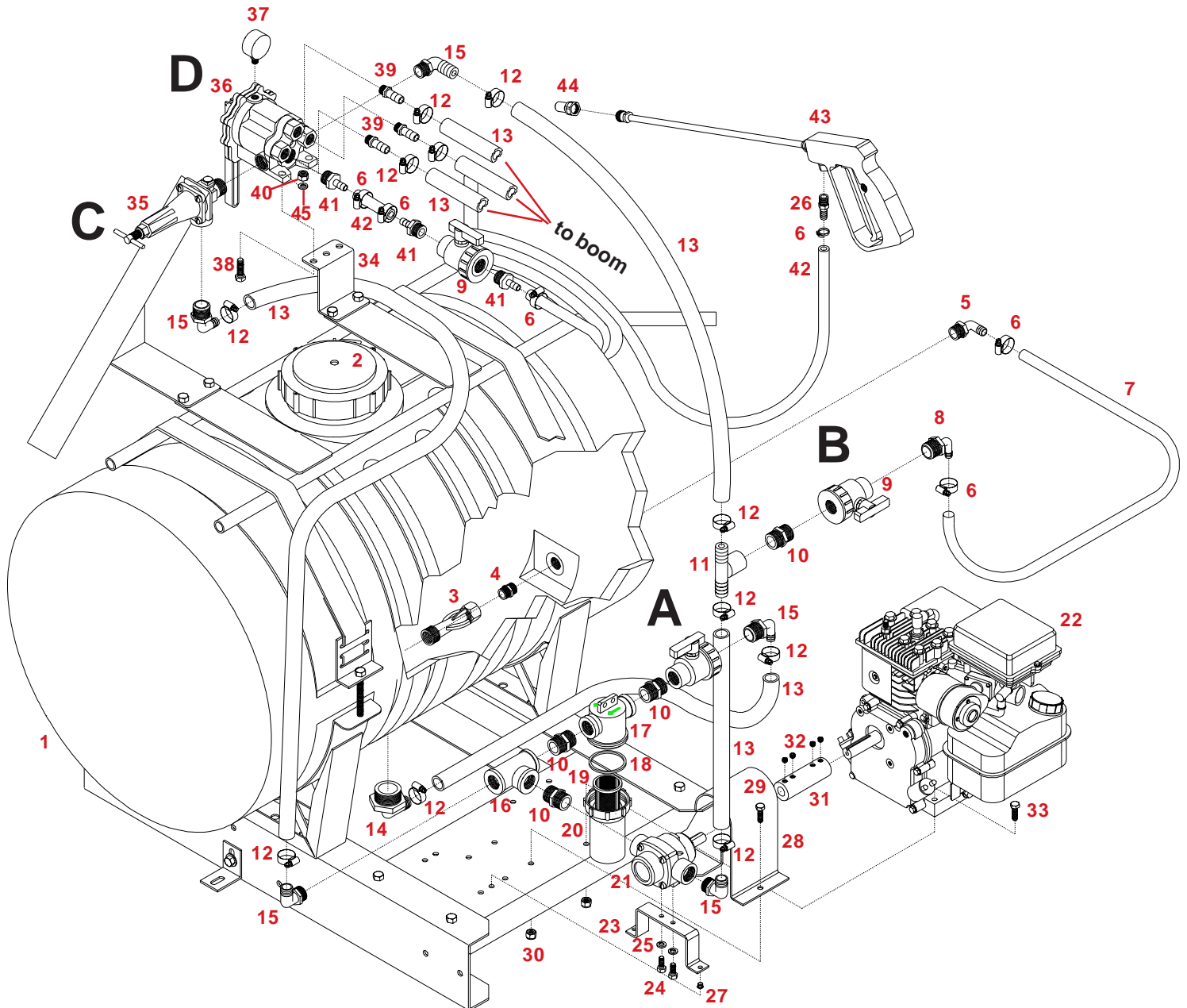
REF. NO.	PART NO.	QTY	DESCRIPTION
-	C4101GE	1	Roller Pump w/3.5 HP Gas Engine
21.	C4101	1	Roller Pump
22.	GE3HP	1	3.5 HP Gas Engine (Horizontal Shaft)
23.	02660	1	Roller Pump Mounting Bracket
24.	04305	2	5/16"-18 UNC x 1/2" Hex Head Bolt
25.	00036	2	5/16" Lockwasher
26.	04055	4	1/4"-20 UNC x 1" Hex Head Bolt
27.	02772	4	1/4"-20 UNC Nylon Insert Locknuts
28.	02653	1	Pump Shaft Shield
29.	02990	1	5/16"-18 UNC x 1" Hex Head Bolt
30.	02802	5	5/16"-18 UNC Nylon Insert Locknut
31.	04880	1	Pump/Engine Coupler
32.	07174	4	1/4"-20 UNC x 3/4" Sq. Head Set Screw
33.	00372	4	5/16"-18 UNC x 1-1/2" Hex Head Bolt
34.	05034	1	6B1 Valve Mounting Plate
35.	8460	1	3/4" MPT Pressure Relief Valve
36.	6B1	1	3/4" FPT Direct - o - valve
-	AB6B1	-	Direct - o - valve Repair Kit (see pg. 23)
37.	160GB	1	160 lb. Brass Pressure Gauge
38.	00214	4	1/4" Flatwasher
39.	A3438	1	3/4" MPT x 3/8" Hose Barb Fitting
40.	380RB	-	3/8" I.D Rubber Hose
41.	A1438	1	1/4" MGHT x 3/8" Hose Barb Fitting
42.	A1238	1	1/2" MPT x 3/8" Hose Barb Fitting
43.	30L22425 18	1	Spray Wand
44.	5500 18PP	1	Adjustable Tip (ordered separate)
45.	01872	2	Rubber Bumper

OPERATING INSTRUCTIONS

1. Fill tank with water.
2. Open the valve in the pump intake line. **(A)**
3. Open the pressure relief valve. **(C)**
4. Open Direct - o - valve. **(D)**
5. Open the agitation valve. **(B)**
6. Start engine and run pump.
7. Slowly close the pressure relief valve **(C)** until the desired spraying pressure is reached with the boom spraying.
8. If adequate spraying pressure cannot be reached, slowly close the agitation valve until the desired spraying pressure is reached.
9. Check for leaks.
10. Follow recommendation for chemical mixing and handling.

NOTE: Contact local authorized Briggs and Stratton dealer for replacement gas engines and parts. Model no. and type no. of engine required to order parts from your Briggs and Stratton dealer.

GAS DRIVEN ROLLER PUMP PLUMBING PARTS BREAKDOWN FOR TRUSS-T BOOM



GAS ENGINE DRIVEN ROLLER PUMP PLUMBING PARTS LIST

REF. NO.	PART NO.	QTY	DESCRIPTION
1.	P55 23A	1	55 gallon Tank (incl. lid, agitation and outlet fittings).
2.	PL5A	1	5i cover for tank
3.	5044-1	1	Single Agitation Wand Assembly
4.	M1200	1	1/2" MPT Short Nipple
5.	BEL1212	1	1/2" MPT x 1/2" Hose Barb Elbow
6.	B6H	6	3/8" Hose Clamp
7.	120RB	-	1/2" I.D Rubber Hose
8.	BEL3412	1	3/4" MPT x 1/2" Hose Barb
9.	UV075FP	3	3/4" Poly Ball Valve
10.	BM3400	4	3/4" Short Nipple
11.	T34F	1	3/4" FPT x 3/4" Hose Barb Tee
12.	B12H	14	3/4" Hose Clamp
13.	340RB	-	3/4" I.D Rubber Hose
14.	EL114 34	1	1-1/4" MPT x 3/4" Hose Barb Elbow
15.	BEL3434	5	3/4" MPT x 3/4" Hose Barb Elbow
16.	BTT34	1	3/4" FPT Tee
-	RVF34 80	-	3/4" Line Strainer w/80 mesh screen
17.	RVF34C	1	3/4" Strainer Cup
18.	RVF34GV	1	Viton O-ring for 3/4" Strainer
19.	RVF380	1	80 Mesh Screen for 3/4" Strainer
20.	RVF34B	1	Strainer Bowl
21.	C4101	1	Roller Pump

Please order replacement parts by **PART NO.** and **DESCRIPTION.**

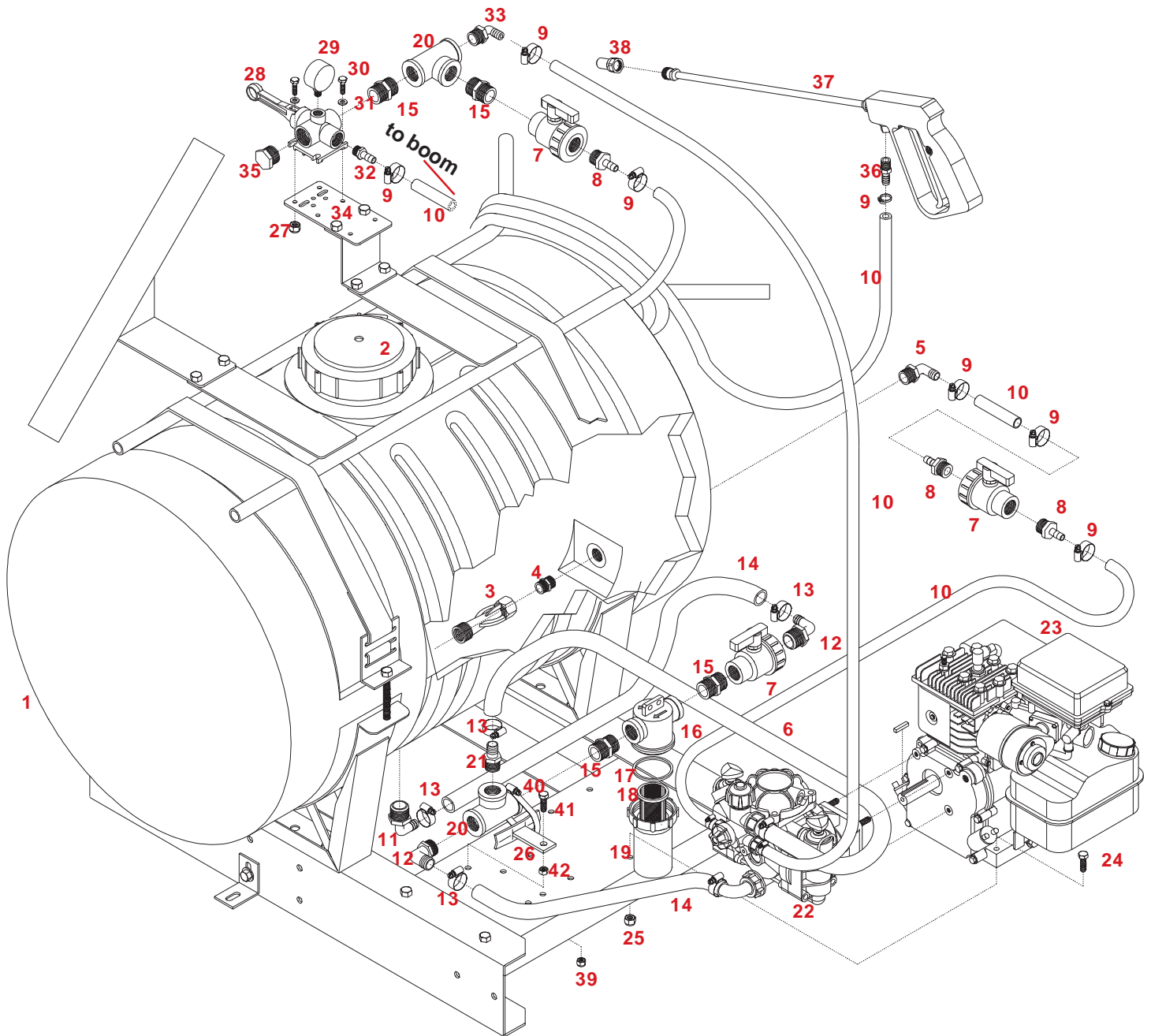
REF. NO.	PART NO.	QTY	DESCRIPTION
-	C4101GE	1	Roller Pump w/3.5 HP Gas Engine
22.	GE3HP	1	3.5 HP Gas Engine (Horizontal Shaft)
23.	02660	1	Roller Pump Mounting Bracket
24.	04305	2	5/16"-18 UNC x 1/2" Hex Head Bolt
25.	00036	2	5/16" Lockwasher
26.	A1438	1	1/4" MGHT x 3/8" Hose Barb
27.	01872	2	Rubber Bumper
28.	02653	1	Pump Shaft Shield
29.	02990	1	5/16"-18 UNC x 1" Hex Head Bolt
30.	02802	5	5/16"-18 UNC Nylon Insert Locknut
31.	04880	1	Pump/Engine Coupler
32.	07174	4	1/4"-20 UNC x 3/4" Sq. Head Set Screw
33.	00372	4	5/16"-18 UNC x 1-1/2" Hex Head Bolt
34.	04345	1	Valve Mounting Plate
35.	8460	1	3/4" MPT Pressure Relief Valve
36.	AA171	1	3/4" FPT Tee Valve
37.	160GB	1	160 lb. Brass Pressure Gauge
38.	00523	2	3/8"-16 UNC x 1-1/4" Hex Head Bolt
39.	BA1234	3	1/2" MPT x 3/4" Hose Barb
40.	02592	2	3/8"-16 UNC Nylon Insert Locknut
41.	A3438	3	3/4" MPT x 3/8" Hose Barb
42.	380RB	-	3/8" I.D Rubber Hose
43.	30L22425 18	1	Spray Wand
44.	5500 18PP	1	Adjustable Tip (ordered separate)
45.	00059	2	3/8" washer
46.	F3400	1	FTG, Plug, .75i MPT, Poly Hex

OPERATING INSTRUCTIONS

1. Fill tank with water.
2. Open the valve in the pump intake line. **(A)**
3. Open the pressure relief valve. **(C)**
4. Open Tee-valve. **(D)**
5. Open the agitation valve. **(B)**
6. Start engine and run pump.
7. Slowly close the pressure relief valve **(C)** until the desired spraying pressure is reached with the boom spraying.
8. If adequate spraying pressure cannot be reached, slowly close the agitation valve until the desired spraying pressure is reached.
9. Check for leaks.
10. Follow recommendation for chemical mixing and handling.

NOTE: Contact local authorized Briggs and Stratton dealer for replacement gas engines and parts. Need model no. and type no. of engine to order parts from your Briggs and Stratton dealer.

DIAPHRAGM PUMP PLUMBING PARTS BREAKDOWN



NOTE: USE THREAD SEALANT ON ALL THREADED FITTINGS

DIAPHRAGM PUMP PLUMBING PARTS LIST

REF. NO.	PART NO.	QTY	DESCRIPTION
1.	P55 23A	1	55 gallon Tank (incl. lid, agitation and outlet fittings).
2.	PL5A	1	5 $\frac{1}{2}$ cover for tank
3.	5044 -1	1	Single Agitation Wand Assembly
4.	M1200	1	1/2" MPT Short Nipple
5.	EL1238	1	1/2" MPT x 3/8" Hose Barb Elbow
6.	580RB	-	5/8" I.D Rubber Hose
7.	UV075FP	3	3/4" Poly Ball Valve
8.	A3438	3	3/4" MPT x 3/8" Hose Barb
9.	B6H	10	3/8" Hose Clamp
10.	380RB	-	3/8" I.D Rubber Hose
11.	EL114 34	1	1-1/4" MPT x 3/4" Hose Barb Elbow
12.	BEL3434	3	3/4" MPT x 3/4" Hose Barb Elbow
13.	B12H	4	3/4" Hose Clamp
14.	340RB	-	3/4" I.D Rubber Hose
15.	BM3400	4	3/4" Short Nipple
-	RVF34 80	-	3/4" Line Strainer w/80 mesh screen
16.	RVF34C	1	3/4" Strainer Cup
17.	RVF34GV	1	Viton O-ring for 3/4" Strainer
18.	RVF380	1	80 Mesh Screen for 3/4" Strainer
19.	RVF34B	1	Strainer Bowl
20.	BTT34	2	3/4" FPT Tee

REF. NO.	PART NO.	QTY	DESCRIPTION
21.	A3458	1	3/4" MPT x 5/8" Hose Barb
22.	9910D19GRGI	1	Diaphragm Pump w/Gear Reducer
23.	GE3HP	1	3.5 HP Gas Engine (Horizontal Shaft)
-	GH4HP	1	4 HP Gas Engine (Horizontal Shaft)
24.	00372	4	5/16"-18 UNC x 1-1/2" Hex Head Bolt
25.	02802	5	5/16"-18 UNC Nylon Insert Locknut
26.	05596	1	Tee Mount Bracket
27.	02772	4	1/4"-20 UNC Nylon Insert Locknuts
28.	6B1	1	Direct - o - Valve
29.	160GBF	1	160 lb. Brass Pressure Gauge
30.	04055	4	1/4"-20 UNC x 1" Hex Head Bolt
31.	00214	4	1/4" Flatwasher
32.	A1238	1	1/2" MPT x 3/8" Hose Barb Reducer
33.	EL3438	1	3/4" MPT x 3/8" Hose Barb Elbow
34.	05034	1	6B1 Valve Mounting Plate
35.	F3400	1	3/4" MPT Plug
36.	A1438	1	1/4" MGHT x 3/8" Hose Barb
37.	30L22425 18	1	Spray Wand
38.	5500 18PP	1	Adjustable Tip (ordered separate)
39.	B24H	2	1-1/4" Hose Clamp
40.	02990	1	.313 NC x 1 GR5 Hex bolt
41.	02801	1	Nut .313 NC Lock, Nylon Insert

Please order replacement parts by **PART NO.** and **DESCRIPTION.**

OPERATION INSTRUCTIONS

1. Be sure oil is halfway up the clear oil sight tube. If necessary, fill to correct level with 30 weight non-detergent motor oil.
2. Make sure the suction hose barb is tightly screwed onto the suction union, and that there are no air leaks on the inlet side of the pump.
3. Check the charge pressure on the pulsation damper before starting the pump. The pressure is checked with a standard automotive air gauge. The pressure should be at approximately 20% of the maximum operating pressure with a minimum charge of 10 PSI.
4. Allow the pump to start under low pressure by removing restrictions on the outlet of the pump. The restriction on the pump is removed by rotating the red knob on the control unit so that the letter A on the knob is in the 12 o'clock position.
5. Start pump and let run for approximately one minute at low pressure. Stop pump and check the oil level in sight glass. Add 30 weight non-detergent oil if necessary.

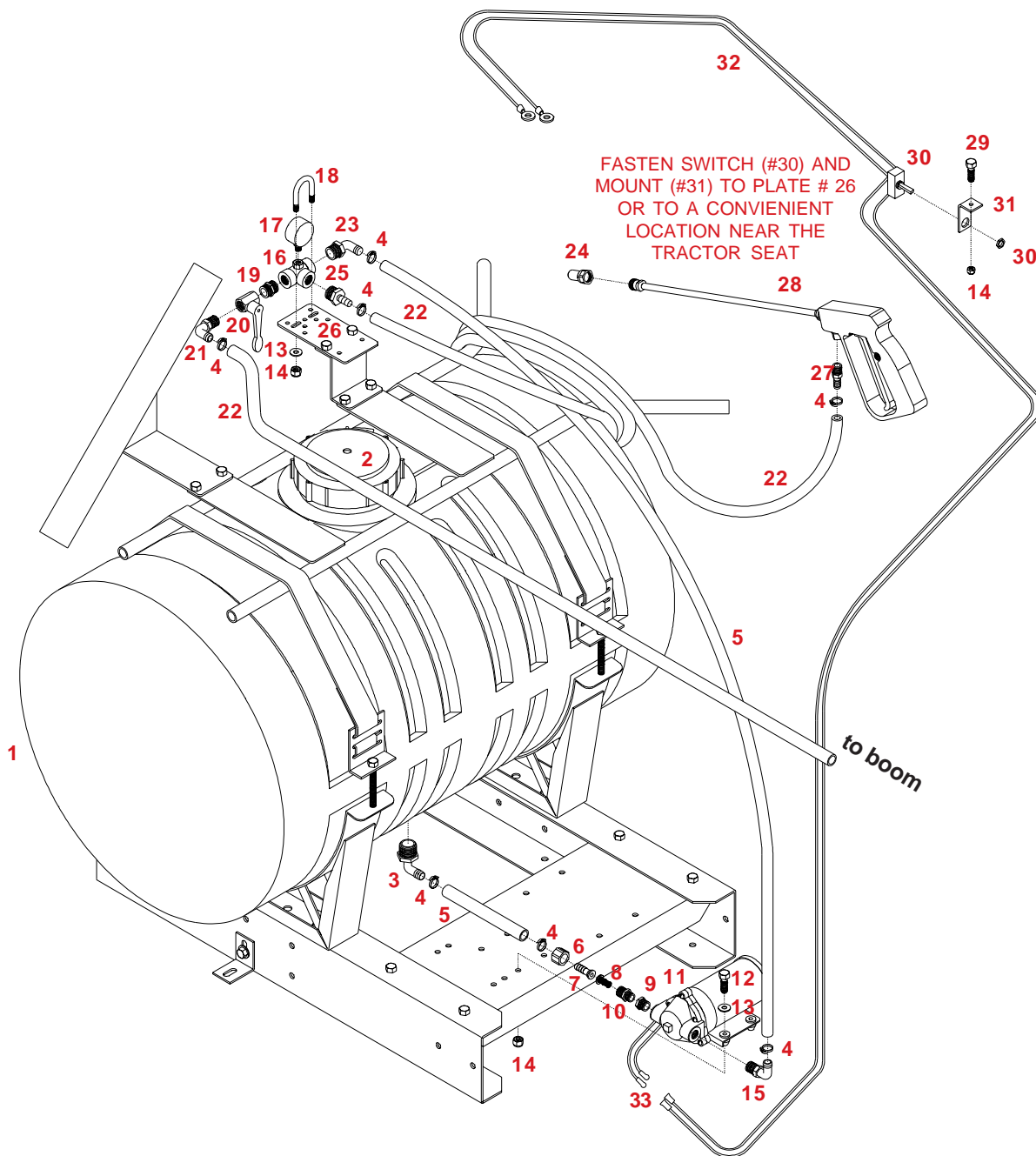
6. Adjust pump to desired pressure by changing the relief valve setting on the control unit, relief valve or unloader. First back out relief valve adjustment knob to zero. Then rotate red bypass selector knob so that the letter C is in the 12 o'clock position. Adjust pressure by rotating relief valve adjustment knob to desired pressure.

MAINTENANCE INSTRUCTIONS

1. After use, flush pump with clean water.
2. Change oil and diaphragms every 500 hours. To drain oil from the pump, remove cap from oil sight tube, turn pump upside down and rotate the shaft until oil stops flowing out. To fill pump with oil, slowly pour oil into sight tube while turning the pump shaft. Turning the pump shaft purges all the air out of the crankcase. Always change oil when replacing diaphragms.
3. For winter storage or if a freezing condition will be encountered, flush pump with a 50/50 mixture of water and antifreeze.

NOTE: Contact local authorized Briggs and Stratton dealer for replacement gas engines and parts. Need model no. and type no. of engine to order parts from your Briggs and Stratton dealer.

ELECTRIC PUMP PLUMBING PARTS BREAKDOWN



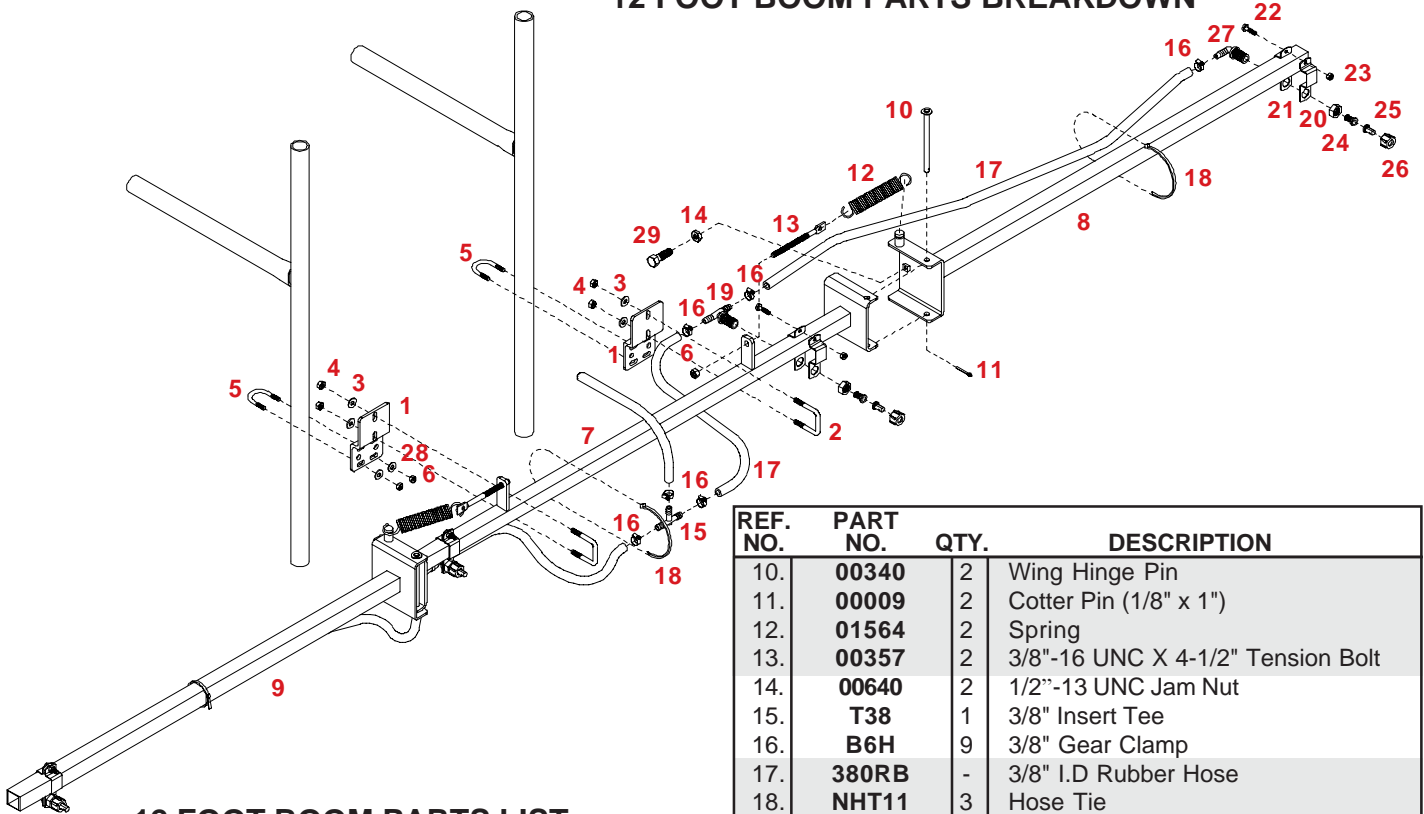
ELECTRIC PUMP PLUMBING PARTS LIST

REF. NO.	PART NO.	QTY.	DESCRIPTION
1.	P55 23	1	55gal. Poly Tank
2.	PL5A	1	5" cover for tank
3.	BEL3412	1	3/4" MPT x 1/2" Hose Barb Elbow
4.	B6H	8	3/8" Hose Clamp SS
5.	120RB	-	1/2" I.D Rubber Hose
6.	8027	1	Swivel Nut
7.	K8400 1/2	1	1/2" Hose Barb
8.	8079NY	1	50 Mesh Poly Strainer
9.	NB1614	1	1/4" MPT x 11/16" Nozzle Thread
10.	RB3814	1	3/8" MPT x 1/4" FPT Reducer Fitting
11.	8000 543 150	-	12 Volt Electric Pump
-	2088 343 135	-	12 Volt Electric 3gpm Pump
-	10983	1	12 Volt Electric 5gpm Pump
12.	00336	4	1/4"-20 UNC x 1-1/4" Hex Head Bolt
13.	00214	4	1/4" Flatwasher
14.	02772	7	1/4"-20 UNC Nylon Insert Locknut
15.	EL3812	1	3/8" MPT x 1/2" Hose Barb
16.	BTT12G	1	1/2" FPT Tee (Tapped for Gauge)

REF. NO.	PART NO.	QTY.	DESCRIPTION
17.	60GB	1	60 lb. Pressure Gauge
18.	00955	1	1/4"-20 UNC x 1" x 2" Round U-bolt
19.	M1238	1	1/2" MPT x 3/8" Reducer Nipple
20.	03900	1	3/8" FPT x 3/8" FPT Valve
21.	EL3838	1	3/8" MPT x 3/8" Hose Barb
22.	380RB	-	3/8" I.D. Rubber Hose
23.	BEL1212	1	1/2" MPT x 1/2" Hose Barb Elbow
24.	5500 6 PP	1	Adj. Tip for Spray Wand (ordered separate)
25.	A1238	1	1/2" MPT x 3/8" Hose Barb
26.	05034	1	Valve Mounting Plate
27.	A1438	1	1/4" MGHT x 3/8" Hose Barb Fitting
28.	30L22425 18	1	18" Hand Spray Wand
29.	04055	1	1/4"-20 UNC x 1" Hex Head Bolt Gr.5
30.	01013	1	Toggle Switch/ Nut
31.	04755	1	Switch Mount
32.	04764	1	10' Wiring Harness for electric pump
33.	05020	2	Bullet conector F/ 16-18 Ga x .180" male

Please order replacement parts by **PART NO.** and **DESCRIPTION.**

12 FOOT BOOM PARTS BREAKDOWN



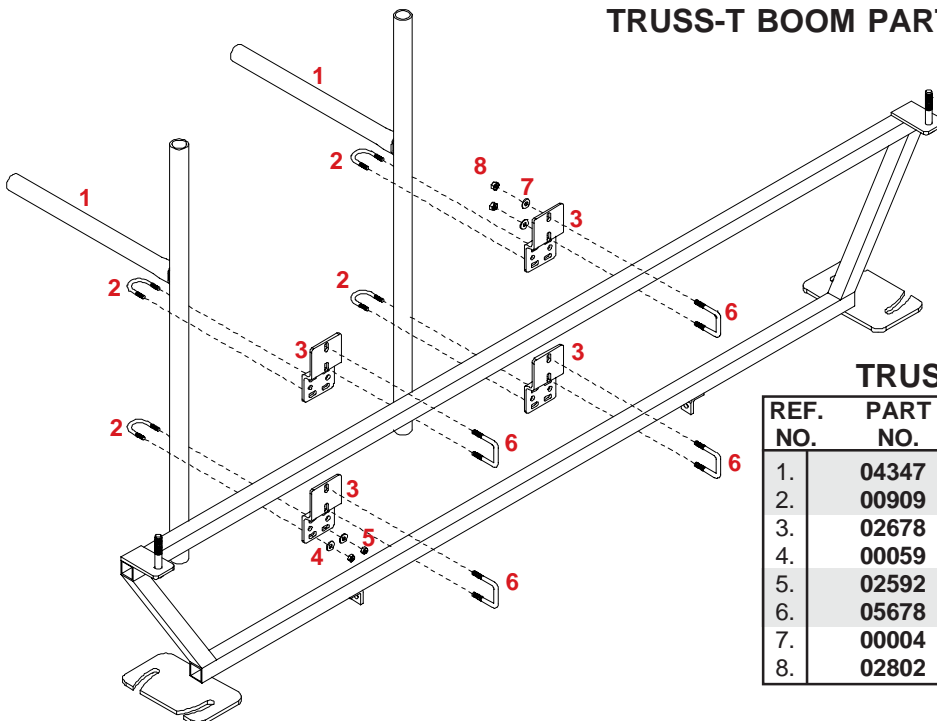
12 FOOT BOOM PARTS LIST

REF. NO.	PART NO.	QTY.	DESCRIPTION
1.	02678	2	Boom Mounting Plate
2.	00909	2	5/16"-18 UNC x 1-3/8" Sq. U-bolt
3.	00004	4	5/16" Flatwasher
4.	02802	4	5/16"-18 UNC Nylon Insert Locknut
5.	02529	2	3/8"-16 UNC x 1-1/2" Round U-bolt
6.	02592	6	3/8"-16 UNC Nylon Insert Locknut
7.	02636	1	Center Boom Section
8.	02637	1	Right Boom Section
9.	02638	1	Left Boom Section

REF. NO.	PART NO.	QTY.	DESCRIPTION
10.	00340	2	Wing Hinge Pin
11.	00009	2	Cotter Pin (1/8" x 1")
12.	01564	2	Spring
13.	00357	2	3/8"-16 UNC X 4-1/2" Tension Bolt
14.	00640	2	1/2"-13 UNC Jam Nut
15.	T38	1	3/8" Insert Tee
16.	B6H	9	3/8" Gear Clamp
17.	380RB	-	3/8" I.D Rubber Hose
18.	NHT11	3	Hose Tie
19.	NTT38	2	3/8" Tee Nozzle Fitting w/nut
20.	B12H	-	Nozzle Nut (Included with item #19)
-	B11 114	4	1-1/4" Boom Clamp Assy. (#21-#23)
21.	00337	2	1-1/4" Boom Clamp
22.	00068	1	1/4"-20 UNC x 3/4" Hex Head Bolt
23.	00062	1	1/4"-20 UNC Nut
24.	4193APP50	4	5 PSI Ball Check Valve
25.	AN1.5	4	Flood Jet Spray Tip
26.	8027	4	11/16" FPS Swivel Nut
27.	NTL38	2	3/8" Elbow Spray Nozzle Fitting (w/nut)
28.	00059	4	3/8" Flatwasher
29.	00967	2	1/2"-13 x 1-1/4" Hex Head Bolt Gr.5

Please order replacement parts by **PART NO.** and **DESCRIPTION**.

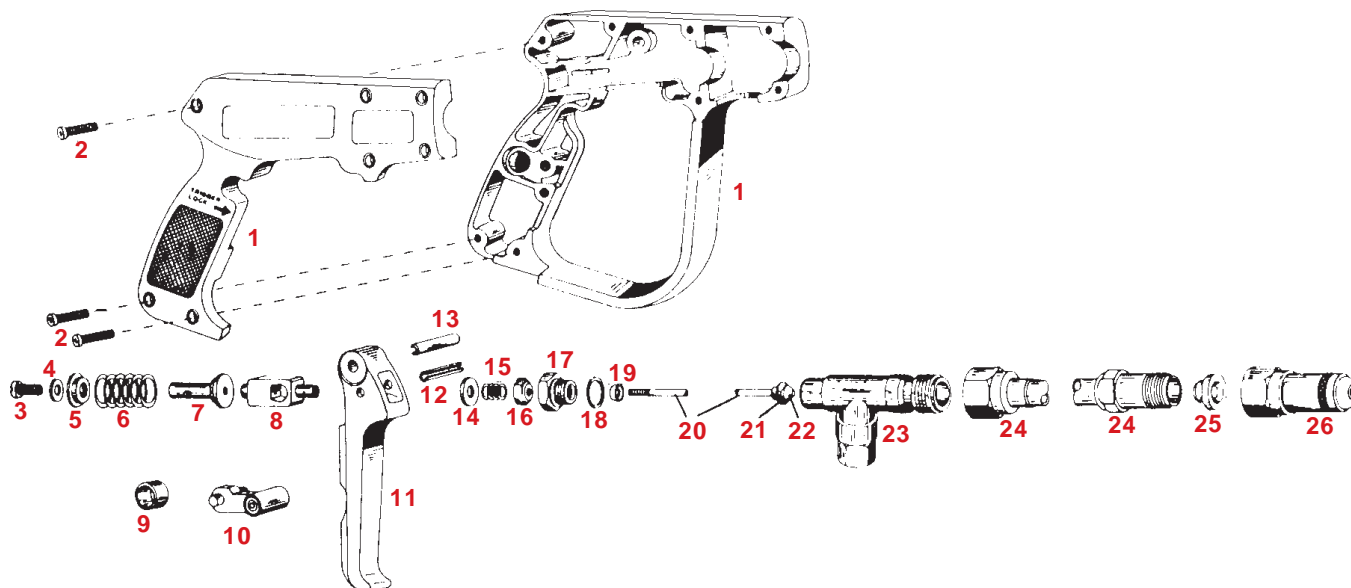
TRUSS-T BOOM PARTS BREAKDOWN



TRUSS T BOOM PARTS LIST

REF. NO.	PART NO.	QTY.	DESCRIPTION
1.	04347	2	Boom Mounting Brackets
2.	00909	4	3/8"-16 UNC x 1-3/8" Round U-bolt
3.	02678	4	Boom Mounting Plate
4.	00059	8	3/8" Flatwasher
5.	02592	8	3/8"-16 UNC Nylon Insert Locknut
6.	05678	4	5/16"-18 UNC x 1-1/2" Sq. U-bolt
7.	00004	8	5/16" Flatwasher
8.	02802	8	5/16"-18 UNC Nylon Insert Locknut

SPRAY WAND PARTS BREAKDOWN



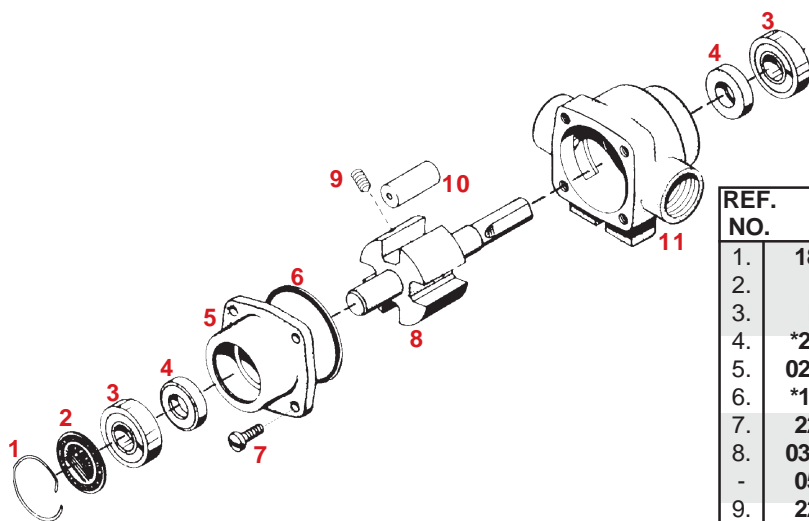
30L 22425 18

SPRAY WAND PARTS BREAKDOWN

REF. NO.	PART NO.	DESCRIPTION	REF. NO.	PART NO.	DESCRIPTION
1.	19684 1NYB	Housing Assembly	15.	7489 302SS	Trigger Stop Spring
2.	17013 1ZP	Screw	16.	7484INP	Stem Nut
3.	19818 1ZP	Screw	17.	19811	Packing Screw
4.	19819SS	Washer	18.	*19812AL	Gasket
5.	19816	Spring Retainer	19.	*14255 1BU	Packing Cup
6.	22138 302SS	Spring	20.	22427 18SS	Stem 18"
7.	19815	Spring Guide	21.	7679 1	Stem Guide Nut
8.	19810	Trigger Guide	22.	*7678	Stem End
9.	19805DEL	Lock Spring Ring	23.	22136	Inlet Body
10.	19806FRP	Trigger Lock	24.	7715 18	18" Wand Extension
11.	17703FRP	Trigger	25.	*7490BRTF	Valve Seat Sub Assembly
12.	19820 420SS	Roll Pin	26.	5500 6PP	Adjustable Tip (ordered separately)
13.	17720 420SS	Roll Pin			Not included with wand above.
14.	7622INP	#6 Burr		AB30L	Parts Kit (includes all items with *)

Please order replacement parts by PART NO. and DESCRIPTION.

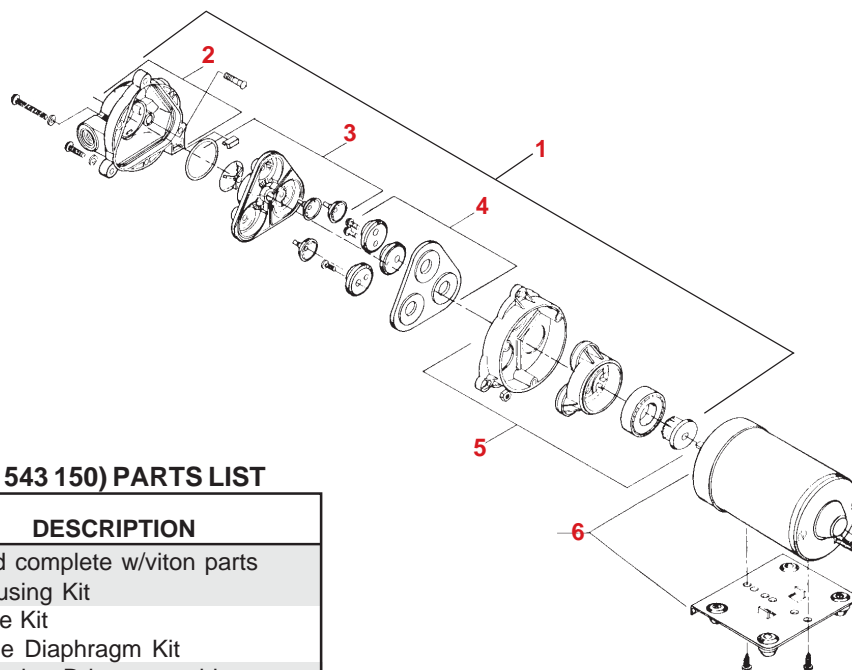
(C4101) ROLLER PUMP PARTS LIST



REF. NO.	PART NO.	QTY.	DESCRIPTION
1.	1800 0001	1	Bearing Retainer Ring
2.	0600	1	Name Plate (specify pump model #.)
3.	BAC 37	2	Sealed Ball Bearing
4.	*2107 0002	2	Viton Seal (standard)
5.	0200 4101C	1	End Plate (cast iron)w/standard seal
6.	*1720 0104	1	O-ring Gasket for End Plate
7.	2200 0009	4	End Plate Screw
8.	0300 4101C	1	Rotor (cast iron)and Shaft Assembly
-	0500 6600	1	Shaft ONLY
9.	2230 0002	1	Rotor Set Screw
10.	*1002 0002	4	Polypropylene Rollers (standard)
11.	0100 4101	1	Body (cast iron) w/standard seal
	3430 0158	1	Repair Kit: contains items marked (*)

Please order replacement parts by PART NO. and DESCRIPTION.

STANDARD ELECTRIC PUMP (8000 543 150) PARTS BREAKDOWN



ELECTRIC PUMP (8000 543 150) PARTS LIST

REF. NO.	PART NO.	DESCRIPTION
1.	94 382 09	Pumphead complete w/viton parts
2.	94 378 00	Upper Housing Kit
3.	94 391 09	Viton Valve Kit
4.	94 395 06	Santoprene Diaphragm Kit
5.	94 385 03	Lower Housing Drive assembly 3.0 degree Cam
6.	94 370 03	Motor and Base Assembly

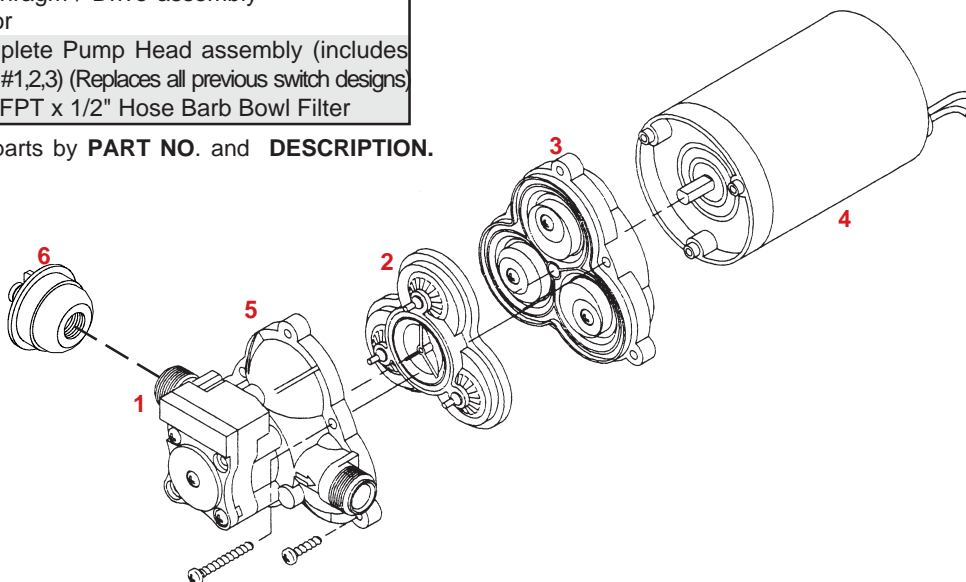
Please order replacement parts by **PART NO.** and **DESCRIPTION.**

OPTIONAL 3 G.P.M. ELECTRIC PUMP (2088 343 135) PARTS BREAKDOWN

OPT. ELECTRIC PUMP (2088 343 135) PARTS LIST

REF. NO.	PART NO.	DESCRIPTION
1.	94 230 36	Switch / Check valve and Upper Housing Kit
2.	94 232 05	Valve Plate assembly
3.	94 238 04	Diaphragm / Drive assembly
4.	94 370 03	Motor
5.	94 231 30	Complete Pump Head assembly (includes parts #1,2,3) (Replaces all previous switch designs)
6.	RVB12 80	1/2" FPT x 1/2" Hose Barb Bowl Filter

Please order replacement parts by **PART NO.** and **DESCRIPTION.**

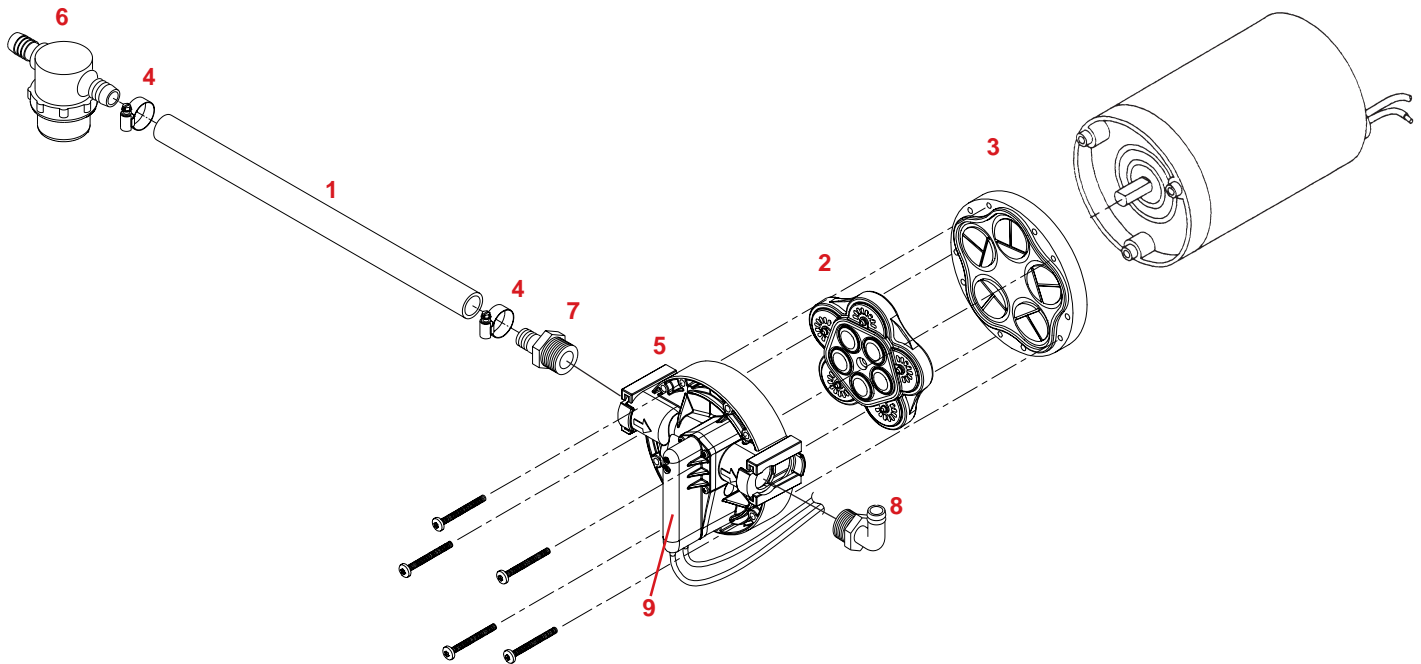


5 G.P.M. ELECTRIC PUMP (10983) PARTS BREAKDOWN

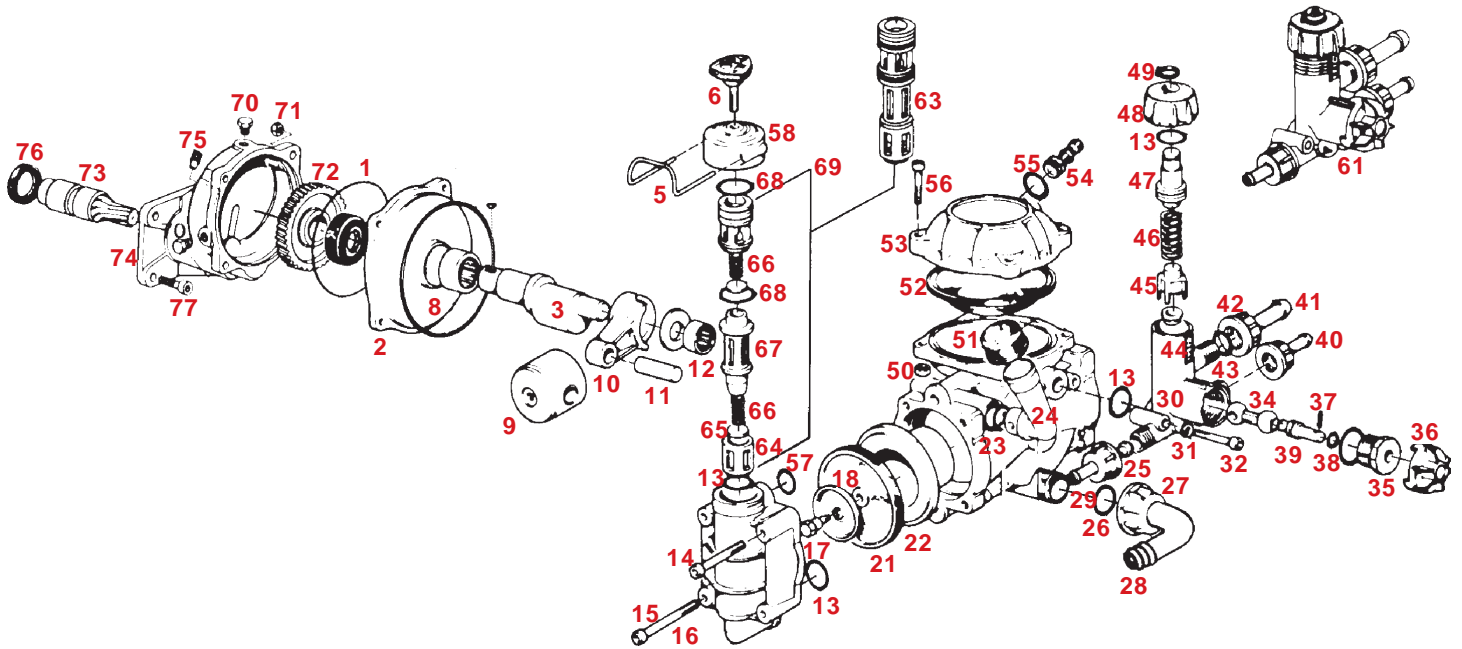
OPT. ELECTRIC PUMP (10983) PARTS LIST

REF. NO.	PART NO.	DESCRIPTION
1.	120RB	1/2i I.D. Rubber Hose
2.	11055	Valve Housing Assembly
3.	11056	Lower Housing Assembly
4.	B6H	3/8i Hose Clamp
5.	11054	Upper Housing Assembly
6.	RVB12 80	1/2" MPT x 1/2" Hose Barb Bowl Filter
7.	BA1212	1/2" MPT x 3/8" Hose Barb
8.	BEL1212	1/2" MPT x 1/2" Hose Barb Elbow
9.	11984	Micro Switch (Inside Case)

Please order replacement parts by **PART NO.** and **DESCRIPTION.**



DIAPHRAGM PUMP (D19GR) PARTS BREAKDOWN



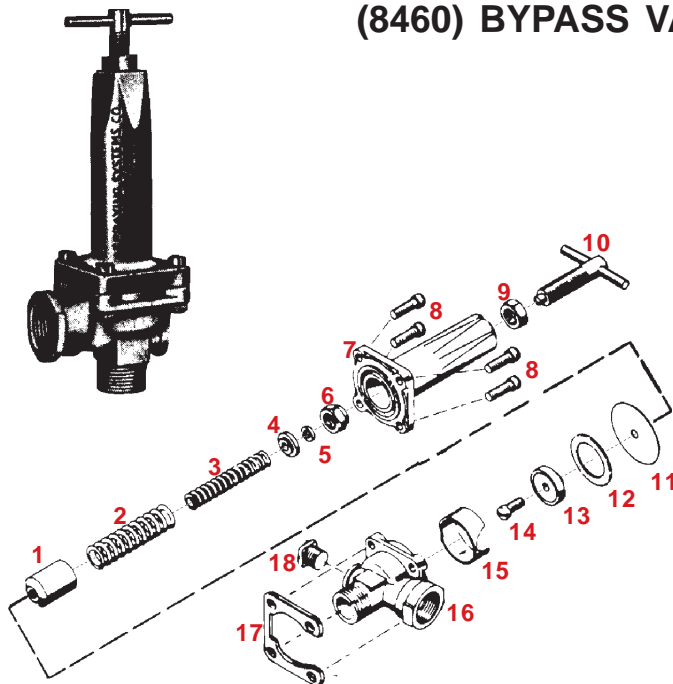
DIAPHRAGM PUMP (D19GR) PARTS LIST

REF. NO.	PART NO.	QTY.	DESCRIPTION	REF. NO.	PART NO.	QTY.	DESCRIPTION
1.	9910 800380	2	O-ring	41.	9910 800670	1	5/8" Bypass Barb
2.	9910 800020	1	Front Housing	42.	9910 800680	1	Barb Nut
3.	9910 800171	1	Crankshaft for G.R. Version	43.	9910 770140	1	O-ring
4.	9910 800160	1	Spacer Washer	44.	9910 800480	1	Indicator Scale
5.	9910 800150	2	Spring Locking Clip	45.	9910 800440	1	Relief Valve Seat Holder
6.	9910 800370	2	Retainer Knob	46.	9910 800450	1	Tension Spring
7.	9910 800200	1	Seal	47.	9910 800460	1	Relief Valve Plunger
8.	9910 800180	1	Roller Bearing	48.	9910 800470	1	Adjustment Cap (Relief Valve)
9.	9910 800120	2	Piston	49.	9910 480550	1	Retainer Ring
10.	9910 800140	2	Connecting Rod	50.	9910 800010	1	Pump Body
11.	9910 800130	2	Connecting Rod Pin	51.	9910 800330	1	Cap for Oil Sight Glass
12.	9910 480370	1	Roller Bearing	52.	9910 800190	1	Accumulator Diaphragm
13.	9910 480440	7	O-ring	53.	9910 800230	1	Accumulator Head
14.	9910 680360	1	Oil Tube Bolt	54.	9910 800650	1	Air Valve Assembly
15.	9910 800220	7	Head Bolt	55.	9910 390340	1	O-ring
16.	9910 800100	2	Head	56.	9910 540290	4	Bolt (8MA x 35)
17.	9910 800090	2	Diaphragm Retaining Bolt	57.	9910 800210	2	O-ring
18.	9910 800350	2	Diaphragm Supporting Washer	58.	9910 800360	2	Valve Cap
21.	9910 800085	2	Diaphragm	59.	9910 800590	1	Key
22.	9910 800110	2	Piston Sleeve	60.	9910 800311	1	Base Plate
23.	9910 740290	1	O-ring	61.	9910 809060	1	Complete Relief Valve Assembly
24.	9910 800320	1	Oil Sight Glass	63.	9910 809050	2	Complete Valve Assembly
25.	9910 800520	2	Barb Nut	64.	-	2	Check Valve Cage (Inlet)
26.	9910 390180	1	O-ring	65.	9910 800060	4	Poppet
27.	9910 550450	1	Barb Nut	66.	-	4	Tension Spring
28.	9910 800340	1	5/8" Inlet Elbow Hose Barb	67.	-	2	Check Valve Seat
29.	9910 800540	1	1/2" Outlet Hose Barb	68.	9910 200540	4	O-ring
30.	9910 800400	1	Relief Valve Body (w/Valve Seat)	69.	-	2	Check Valve Cage (Outlet)
31.	9910 550331	2	Lockwasher	70.	9910 620301	2	Plug
32.	9910 800410	2	Bolt (6MA x 40)	71.	9910 390440	4	Nut
34.	9910 800430	1	Floating Valve	72.	9910 800280	1	Gear
35.	9910 800500	1	Locking Bolt	73.	9910 800810	1	Driver Gear
36.	9910 800510	1	Locking Bolt Cap	74.	9910 800820	1	Body
37.	9910 390330	1	Locking Pin	75.	9910 800800	1	Locating Bolt
38.	9910 800560	1	O-ring	76.	9910 480820	1	Seal
39.	9910 800490	1	Positioning Rod	77.	9910 620440	4	Bolt
40.	9910 800530	1	3/8" Outlet Hose Barb				

Please order replacement parts by PART NO. and DESCRIPTION.

(8460) BYPASS VALVE PARTS BREAKDOWN

(8460) BYPASS VALVE PARTS LIST

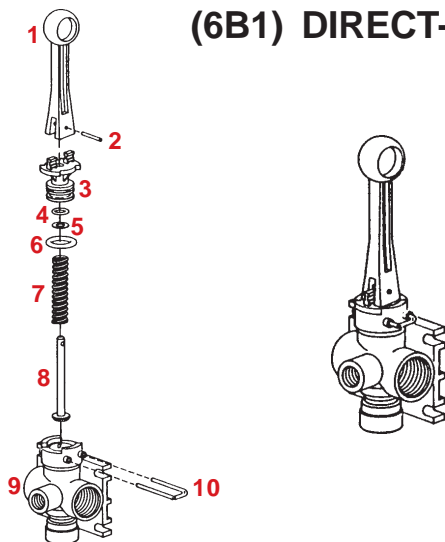


REF. NO.	PART NO.	DESCRIPTION
1.	8367AL	Guide Sleeve, aluminum
* 2.	8373SS	Outside Spring, stainless steel
* 3.	8374SS	Inside Spring, stainless steel
4.	8371AL	Spring Retainer, aluminum
* 5.	8369NY	Washer, nylon
6.	8368SS	Adjusting Nut, stainless steel
7.	8362AL	Bonnet, aluminum
8.	7688ICP	Screw, steel cadium plated (4 req'd.)
9.	5898AL	Lock Nut, aluminum
10.	5896ALSS	Adjusting Stem (sub. assembly)
* 11.	8366FA	Diaphragm, fairprene
12.	8365 304SS	Stop Spring, stainless steel, type 304
* 13.	8364NY	Back-up seat, nylon
14.	8477SS	Screw, stainless steel
15.	8389 304SS	Chamber Insert, ss, type 304
16.	8361 3/4NY	Body, nylon (for 8460 3/4)
17.	9017IZP	Clamp Plate, steel, zinc plated
18.	8400 1/4	Pipe Plug, nylon
AB8460		Repair Kit (includes items with *)

Please order replacement parts by **PART NO.** and **DESCRIPTION.**

(6B1) DIRECT-O-VALVE PARTS BREAKDOWN

(6B1) DIRECT-O- VALVE PARTS LIST

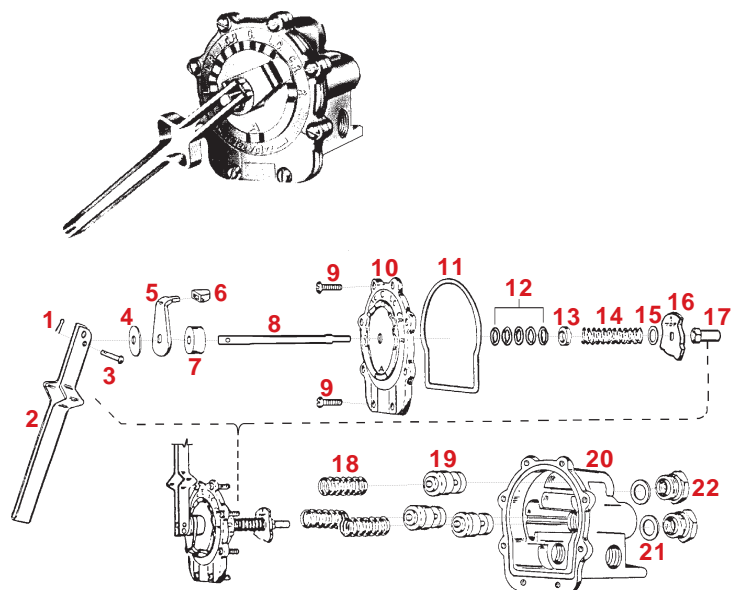


REF. NO.	PART NO.	DESCRIPTION
1.	36301NY	Handle (Nylon)
* 2.	36308SS	Groove Pin (Stainless Steel)
3.	36302PP	Body Insert (Polypropylene)
* 4.	7717 2 108VI	O-ring (Viton)
5.	36307SS	Washer (Type 316, Stainless Steel)
* 6.	7717 2 209VI	O-ring (Viton)
7.	36306SS	Spring (Type 316, Stainless Steel)
* 8.	36305	Stem (Stainless Steel & Polyethylene)
9.	36303PP	Body (Polypropylene)
10.	36309SS	Retaining Clip (Stainless Steel)
AB6B1		Spare Parts Kit (includes items with *)

Please order replacement parts by **PART NO.** and **DESCRIPTION.**

(AA17I) TEE VALVE PARTS BREAKDOWN

(AA17I) TEE VALVE PARTS LIST



REF. NO.	PART NO.	DESCRIPTION
1.	8012 1/2SS	1/16" x 1/2" Cotter Pin, stainless steel
2.	6849IZP	Handle, steel & zinc plated
2.A	15490SS	Rivet, stainless steel
* 3.	7206IZP	Rivet, steel, zinc plated
* 4.	6976IZP	Handle Washer, steel, zinc plated
5.	12128IZP	Selector Shield, steel, zinc plated
* 6.	12127CE	Selector Shield Tip, celcon
7.	12129CE	Spacer, celcon
8.	6972SS	Main Stem, stainless steel
* 9.	7980IZP	Screw, steel, zinc plated (8 required)
10.	12126AL	Cover Plate, aluminum
* 11.	6975BU	Gasket, buna-N
* 12.	5809LEA	Packing, thermo-leather (5 required)
13.	12130SS	Packing Gland, stainless steel
14.	7254SS	Main Spring, stainless steel
15.	7987SS	Washer, stainless steel
16.	6971AL	Selector Cam, aluminum
17.	6973SS	Guide Nut, stainless steel
18.	6959SS	Valve Spring, stainless steel (3 req'd.)
19.	6956CE	Valve Stem, celcon (3 required)
20.	6934 6AL	Body, aluminum
* 21.	6958POL	Seat Plate, polyethylene (3 required)
22.	7262AL	Outer Adapters, aluminum (required)
AB17		Spare Parts Kit (includes items with *)

Please order replacement parts by **PART NO.** and **DESCRIPTION.**

SPRAYER CHECKLIST:

Downtime in fields caused by field breakdowns is costly and time consuming. Many breakdowns can be eliminated by periodic equipment maintenance. By spending a little time running over this checklist before seasonal spraying application time and following proper after-season care, you can save time and money later on.



WARNING: To Prevent Serious Injury Or Death

- Keep hands, feet, and loose clothing away from rotating parts.
- Wear protective clothing recommended by your chemical and fertilizer manufacturer when working with chemicals.

Check Before Going To The Field :

1. NOZZLES

Check tip for excessive wear by checking for grooves in or near tip opening. Check nozzle spacing by starting at center and working outwards. Check boom for proper height.

2. HOSES

Check all hoses for worn or soft spots. Be sure all hose clamps are tightened and hoses are not kinked or pinched. Check for leakage in any lines.

3. TANK

Remove and clean agitator orifices. Check orifices for excessive wear by checking for grooves in or near orifice opening. Inspect fitting and grommets to insure they are in good condition.

4. CONTROLS

Check for leakage, plugging, or wear on all valves, fittings, etc. Clean off any build up of foreign material.

5. PUMP

Check to be sure pump turns freely.

6. FRAME

Be sure all bolts are tightened.

7. REPLACEMENT PARTS

Replace all worn or damaged parts.

After Season Care:

NOTE: It is important that when cleaning sprayer you wear proper safety equipment. See your chemical or fertilizer package for this information.

1. After spraying chemicals, run water mixed with cleaners through tank, pump and all hose hookups. If wettable powder dries out in system, it is very difficult to put back into suspension and can cause malfunction, damage or injury.
2. When cleaned, tank should have all openings closed or covered to keep dirt from blowing in.
3. Pump should be flushed with soluble oil and pump ports plugged to keep out moisture and air.
4. Disassemble tips and rinse with water or cleaning solution. (Appropriate for chemical sprayed).
5. Clean tip opening with a wooden toothpick. Never use wire or a hard object that could distort opening.
6. Be sure to dispose of all unused chemicals or solutions in a proper and ecologically sound manner.
6. Water rinse and dry tips before storing.

NOTE: DETHMERS MANUFACTURING COMPANY does not and will not make any recommendations concerning the application of various chemicals or solutions. These recommendations relate to either amount or procedure of materials applied. If you have any questions regarding application of certain chemicals or solutions, contact your chemical supplier and follow chemical manufacturer recommendations.



DETHMERS MFG. COMPANY
P.O. BOX 189
4010 320th St., BOYDEN, IA. 51234
PH: (712) 725-2311
FAX: (712) 725-2380
TOLL FREE: 1-800-54DEMCO (1-800-543-3626)
www.demco-products.com